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THE SILVER INSTITUTE

A WORLDWIDE ASSOCIATION OF MINERS, REFINERS, FABRICATORS AND MANUFACTURERS

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SUITE 1138, 1001 CONNECTICUT AVENUE, N. W.
WASHINGTON, D. C. 20036

MINE PRODUCTION OF SILVER IN 1980 WITH PROJECTIONS FOR 1981 1982 1983 1984

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THE SILVER INSTITUTE

MINE PRODUCTION OF SILVER

This report presents the mine production of silver in all of the 61 countries of the world which are known to be now producing silver from mines. Of these, 52 are designated as International Trade Countries in this presentation since there is a continual movement of silver between them. The other 9 are Eastern Bloc Countries which do not participate so much in the international movements of silver.

The first group is divided into three sections: the 5 countries each producing more than 20 million troy ounces per year; the 20 countries each producing 1 million to 20 million troy ounces per year; and the 27 countries each producing less than 1 million troy ounces per year.

In all sections, figures are arranged in the order of size of mine production of silver in 1980. For each country the actual figures for 1980 (as well as revised actual figures for 1979) are presented together with the projections for each of the succeeding four years.

The figures here presented refer to mine production of silver on the "accountable" basis, indicating the amount of silver which is credited to the mining company.

This study was made with participation of more than 260 mining and related enterprises throughout the world, as listed in the following pages, which gave The Silver Institute their reports and projections. The projections for 1981, 1982, 1983, and 1984 are the totals of individual companies' plans for their mine production of silver in each of these years. Increases and decreases from these plans in individual mines and countries often balance each other. However, there is the fact that any strikes, shortages of railway cars or other unforeseen operational delays will make the actual figures less than the projections. In 1980 these negative events were so pronounced that, for the first time since 1974, there was a decrease from the previous year in world mine production of silver. Thus, the actual silver mine production in the 52 International Trade Countries in 1980 was found to be 9% less than had been projected one year ago, 15% less than had been projected two years ago, and 14% less than had been projected four years ago.

Amounts are shown in millions of troy ounces for each country and groups of countries, with metric ton equivalents for each group of countries.

June 1981

MINE PRODUCTION OF SILVER

ON ACCOUNTABLE BASIS

IN MILLIONS OF TROY OUNCES

INTERNATIONAL TRADE COUNTRIES	---ACTUAL---		-------PROJECTIONS-------			
	1979	1980	1981	1982	1983	1984
Countries producing more than 20 million troy ounces per year:						
Mexico	49.4	47.1	52.3	69.7	83.4	86.3
Peru	40.2	39.6	40.4	42.8	43.1	45.8
Canada	36.9	33.3	35.7	38.4	39.4	40.2
United States	38.1	30.4	38.6	46.4	48.8	50.5
Australia	24.8	23.5	25.6	28.1	29.6	29.4
Subtotal	189.4	173.9	192.6	225.4	244.3	252.2
Equivalent in metric tons	*5,891*	*5,409*	*5,991*	*7,011*	*7,599*	*7,844*
Change from previous year		-8%	+11%	+17%	+8%	+3%
Countries producing 1 million to 20 million troy ounces in 1980:						
Chile	8.7	9.6	10.5	12.2	12.0	12.0
Japan	8.9	8.9	8.8	8.8	8.8	8.8
South Africa	3.2	7.1	7.2	7.2	7.2	7.2
Bolivia	5.7	6.2	6.9	6.8	6.8	6.8
Sweden	5.7	5.1	6.2	6.5	6.3	6.3
Yugoslavia	5.2	4.8	4.8	4.8	4.8	4.8
Zaire	3.9	4.0	4.0	4.2	4.0	4.0
Spain	3.4	3.3	3.4	3.4	3.7	4.1
Morocco	2.4	2.7	2.7	2.6	2.6	2.6
France	2.4	2.4	2.3	2.2	2.2	2.1
South Korea	2.8	2.3	2.3	2.3	2.3	2.3
Argentina	2.2	2.2	2.1	2.1	2.1	2.1
Philippines	1.8	2.0	2.0	2.3	2.4	2.4
Greece	1.7	1.8	1.9	1.9	1.9	1.9
Honduras	1.9	1.6	1.7	2.4	2.5	2.6
Dominican Republic	2.3	1.6	1.3	1.3	1.3	1.3
Namibia	1.6	1.5	1.7	1.9	2.0	2.0
Papua New Guinea	1.4	1.2	1.2	1.3	1.4	1.3
Italy	1.1	1.1	1.1	1.1	1.3	1.3
German Federal Republic	1.0	1.1	1.0	1.1	1.1	1.1
Subtotal	67.3	70.5	73.1	76.4	76.7	77.0
Equivalent in metric tons	*2,093*	*2,193*	*2,274*	*2,376*	*2,386*	*2,395*
Change from previous year		+5%	+4%	+5%	0%	0%

Countries producing less than 1 million troy ounces in 1980:	---ACTUAL--- 1979	1980	-------PROJECTIONS------- 1981	1982	1983	1984
Zimbabwe	.98	.95	.96	.96	.96	.96
Finland	.80	.90	.94	.90	.91	.87
Zambia	.90	.80	.80	.80	.80	.80
Indonesia	.66	.68	1.00	1.11	1.11	1.11
Ireland	.74	.65	.70	.14	.14	.14
Malaysia	.66	.64	.64	.64	.64	.64
Brazil	.58	.64	.60	.60	.59	.57
Denmark	.62	.57	.50	.50	.50	.50
Burma	.34	.43	.43	.43	.43	.43
India	.37	.37	.37	.37	.37	.37
Tunisia	.23	.24	.24	.24	.24	.24
Turkey	.25	.20	.20	.20	.20	.20
Nicaragua	.32	.16	.17	.19	.22	.25
El Salvador	.15	.16	.16	.16	.16	.16
Colombia	.10	.15	.15	.15	.15	.15
Taiwan	.09	.10	.26	.26	.26	.26
Algeria	.10	.08	.08	.08	.08	.08
Ecuador	.07	.07	.07	.07	.07	.07
Great Britain	.01	.05	.05	.05	.05	.05
Mauritania	.03	.03	.03	.03	.03	.03
Portugal	.03	.03	.03	.03	.03	.03
Ghana	.02	.02	.02	.02	.02	.02
Kenya	.02	.02	.02	.02	.02	.02
Fiji	.01	.01	.01	.01	.01	.01
Guatemala	.01	.01	.01	.01	.01	.01
New Zealand	.01	.01	.01	.01	.01	.01
Tanzania	.01	.01	.01	.01	.01	.01
Subtotal	8.11	7.98	8.46	7.99	8.02	7.99
Equivalent in metric tons	*252*	*248*	*263*	*249*	*249*	*249*
TOTAL INTERNATIONAL TRADE COUNTRIES	264.8	252.4	274.2	309.8	329.0	337.2
Equivalent in metric tons	*8,236*	*7,851*	*8,529*	*9,636*	*10,233*	*10,486*
Change from previous year		-5%	+9%	+13%	+6%	+2%
EASTERN BLOC COUNTRIES						
Soviet Union	49.8	49.9	51.0	52.0	53.0	54.0
Poland	22.6	20.9	20.9	20.9	20.9	20.9
China, People's Republic of	2.0	1.9	1.9	1.9	1.9	1.9
North Korea	1.5	1.6	1.6	1.6	1.6	1.6
German Democratic Republic	1.5	1.5	1.5	1.5	1.5	1.5
Czechoslovakia	1.1	1.1	1.1	1.1	1.1	1.1
Romania	1.0	0.9	0.9	0.9	0.9	0.9
Bulgaria	0.8	0.8	0.8	0.8	0.8	0.8
Hungary	0.1	0.1	0.1	0.1	0.1	0.1
TOTAL EASTERN BLOC COUNTRIES	80.4	78.7	79.8	80.8	81.8	82.8
Equivalent in metric tons	*2,501*	*2,448*	*2,482*	*2,513*	*2,544*	*2,575*
Change from previous year		-2%	+1%	+1%	+1%	+1%
WORLD TOTAL	345.2	331.1	354.0	390.6	410.8	420.0
Equivalent in metric tons	*10,737*	*10,299*	*11,011*	*12,149*	*12,778*	*13,064*
Change from previous year		-4%	+7%	+10%	+5%	+2%

CONTRIBUTORS OF INFORMATION
ON
MINE PRODUCTION OF SILVER

IN 1980 WITH PROJECTIONS FOR 1981 - 1982 - 1983 - 1984

MEXICO

Campana de Plata S.A.,
Zacualpán, México
Comisión de Fomento Minero,
México, D. F.
Compañía Fresnillo S.A.,
México, D. F.
Compañía Minera La Campana S.A.,
Reforma, Chihuahua
Compañía Minera La Negra y Anexas S.A.,
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Northair Mines Limited,
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Timmins, Ontario
Placer Development Limited,
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Renzy Mines Limited,
Willowdale, Ontario
Rio Algom Limited,
Toronto, Ontario
Scottie Gold Mines Ltd.,
Stewart, British Columbia
Selco Mining Corporation, Ltd.,
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Sherritt Gordon Mines Limited,
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Sigma Mines (Quebec) Limited,
Val d'Or, Quebec
Silvana Mines Incorporated
Toronto, Ontario
Silver Standard Mines Ltd.,
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Silver Tusk Mines, Ltd.,
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Silvex Resources Corp.
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Slocan Development Corp., Ltd.,
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Mines
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Western Mines Limited,
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ASARCO Incorporated,
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Bradley Mining Company,
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Camp Bird Colorado, Inc.,
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Clayton Silver Mines,
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Wallace, Idaho
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Consolidated Silver Corporation,
Wallace, Idaho
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Minerals Engineering Company,
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New York, New York
Ranchers Exploration & Development
Corp., Albuquerque, New Mexico
Rosario Resources Corporation,
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Sharon Steel Corporation,
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Silver Dollar Mining Company,
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Round Mountain, Nevada
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White Pine Copper Company,
White Pine, Michigan
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AUSTRALIA

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Australian Mining & Smelting Ltd.,
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AUSTRALIA Continued

Electrolytic Zinc Company,
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Kalgoorlie Mining Associates,
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Peko-Wallsend Limited,
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City Deep Ltd.,
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Consolidated Main Reef,
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Crown Mines, Ltd.,
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Doornfontein Gold Mining
Company, Ltd.,
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Durban Roodepoort Deep Ltd.,
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East Daggafontein Mines,
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Co., Ltd.,
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President Steyn Gold Mining
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Welkom Gold Mining Co., Ltd.,
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Co., Ltd.,
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Western Areas Gold Mining
Company, Ltd.,
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Western Deep Levels, Ltd.,
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Western Holdings, Ltd.,
Johannesburg
Winkelhaak Mines, Ltd.,
Johannesburg
Witwatersrand Nigel Ltd.,
Johannesburg
West Rand Consolidated
Mines Limited,
Johannesburg
Chamber of Mines
of South Africa
Johannesburg

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Corporación Minera de Bolivia,
La Paz

SWEDEN

Boliden Aktiebolag,
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Gecamines,
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SPAIN

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MOROCCO

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Rabat
Société des Mines de Bou Skour,
Casablanca
Société Minière du Djebel Aouam,
Casablanca
Société Minière de Touissit,
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FRANCE

Mines et Produits Chimiques de Salsigne, Conques-sur-Orbiel
Société Minière et Métallurgique de Peñarroya, Paris
Cie. Royale Asturienne des Mines, Paris

ARGENTINA

Cía. Minera Aguilar, S.A., Buenos Aires

PHILIPPINES

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Benguet Corporation, Rizal
Benguet Exploration, Inc., Manila
Itogon-Suyoc Mines, Inc., Manila
Lepanto Consolidated Mining Co., Manila
Marcopper Mines Corporation, Rizal
Marinduque Mining & Industrial Corporation, Manila
Philex Mining Corporation, Rizal
Sabena Mining Corporation, Manila
Western Minolco Corporation, Manila

GREECE

Hellenic Chemical Products & Fertilizers Company, Ltd., Athens

HONDURAS

Rosario Resources Corporation, San Pedro Sula

DOMINICAN REPUBLIC

Rosario Dominicana, S.A., Santo Domingo

NAMIBIA

Tsumeb Corporation, Ltd., Tsumeb

PAPUA NEW GUINEA

Bougainville Copper Ltd., Bougainville
New Guinea Gold Fields Ltd., Sydney

ITALY

SAMIM S.p.A., Rome
SOLMINE S.p.A., Rome

GERMAN FEDERAL REPUBLIC

Metallgesellschaft, AG, Frankfurt
Preussag Aktiengesellschaft, Goslar

ZIMBABWE

Independence Mining, Ltd., Penhalonga
Rio Tinto (Rhodesia) Ltd., Salisbury

FINLAND

Outokumpu Oy, Helsinki

ZAMBIA

Nchanga Consolidated Copper Mines Limited, Lusaka

IRELAND

Irish Base Metals Ltd.,
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Mogul of Ireland Ltd.,
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DENMARK (Greenland)

Greenex A/S,
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TURKEY

Etibank,
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NICARAGUA

CONDEMINA,
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Taiwan Metal Mining Corporation,
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Cornwall Tin & Mining Limited,
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GHANA

Ashanti Goldfields Corporation
(Ghana) Limited,
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de Zinc de la Vieille Montagne,
Angleur